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☐ 1. Document ID: US 6139871 A

L3: Entry 1 of 12

File: USPT

Oct 31, 2000

US-PAT-NO: 6139871

DOCUMENT-IDENTIFIER: US 6139871 A

TITLE: Liposome compositions and methods for the treatment of atherosclerosis

DATE-ISSUED: October 31, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hope; Michael J.	Vancouver	N/A	N/A	CAX
Rodrigueza; Wendi	Vancouver	N/A	N/A	CAX

US-CL-CURRENT: 424/450; 428/402.2, 514/824

ABSTRACT:

The present invention provides compositions and methods for treating atherosclerosis. The compositions comprise unilamellar liposomes having an average diameter of 100-150 nanometers. Methods for treating atherosclerosis employing the compositions of the present invention are also provided.

6 Claims, 23 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KVMC	Draw Desc	Image
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☐ 2. Document ID: US 6124133 A

L3: Entry 2 of 12

File: USPT

Sep 26, 2000

US-PAT-NO: 6124133

DOCUMENT-IDENTIFIER: US 6124133 A

TITLE: Antisense inhibition of fra-1 expression

DATE-ISSUED: September 26, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Taylor; Jennifer K.	Solana Beach	CA	N/A	N/A
Cowser; Lex M.	Carlsbad	CA	N/A	N/A

US-CL-CURRENT: 435/375; 435/6, 435/91.1, 536/23.1, 536/24.5

## ABSTRACT:

Antisense compounds, compositions and methods are provided for modulating the expression of fra-1. The compositions comprise antisense compounds, particularly antisense oligonucleotides, targeted to nucleic acids encoding fra-1. Methods of using these compounds for modulation of fra-1 expression and for treatment of diseases associated with expression of fra-1 are provided.

33 Claims, 0 Drawing figures Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc	Image
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☐ 3. Document ID: US 5707648 A

L3: Entry 3 of 12

File: USPT

Jan 13, 1998

US-PAT-NO: 5707648

DOCUMENT-IDENTIFIER: US 5707648 A

TITLE: Transparent liquid for encapsulated drug delivery

DATE-ISSUED: January 13, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yiv; Seang H.	Wilmington	DE	N/A	N/A

US-CL-CURRENT: 424/450; 264/4.1, 428/402.21

## ABSTRACT:

There is provided a stable transparent multi-component composition useful for the delivery of water soluble active agents to animals. The compositions are formulated with a mixture of an oil phase, an aqueous phase, and a surfactant system, along with the active agent to be delivered to the animal. The compositions are specially formulated to be compatible with capsules such as gelatin and starch capsules. The aqueous phase of the compositions contains a substantial amount of polyethylene glycol and can optionally also contain a plasticizer. Preferred active agents are proteinaceous materials.

45 Claims, 5 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw. Desc	Image
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☐ 4. Document ID: US 5688761 A

L3: Entry 4 of 12

File: USPT

Nov 18, 1997

US-PAT-NO: 5688761

DOCUMENT-IDENTIFIER: US 5688761 A

TITLE: Convertible microemulsion formulations

DATE-ISSUED: November 18, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Owen; Albert J.	West Chester	PA	N/A	N/A
Yiv; Seang H.	Wilmington	DE	N/A	N/A
Sarkahian; Ani B.	Bryn Mawr	PA	N/A	N/A

US-CL-CURRENT: 514/2; 424/193.1, 424/400, 424/94.3, 514/12, 514/13

## ABSTRACT:

There is provided a water-in-oil (w/o) micro emulsion which readily converts to an oil-in-water (o/w) emulsion by the addition of aqueous fluid to the w/o microemulsion, whereby an water-soluble biologically-active material in the aqueous phase is released for absorption by the body. The w/o microemulsion contains a preferred high-purity short-chain monoglyceride surfactant. The w/o microemulsion is particularly useful for storing proteins and the like for long periods of time at room temperature and above until they are ready for use, at which time the addition of aqueous fluid converts the microemulsion to an o/w emulsion and release the protein.

22 Claims, 5 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 5658753 A

L3: Entry 5 of 12

File: USPT

Aug 19, 1997

US-PAT-NO: 5658753

DOCUMENT-IDENTIFIER: US 5658753 A

TITLE: Catalytic antibody components

DATE-ISSUED: August 19, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Paul; Sudhir	Omaha	NE	68137	N/A
Powell; Michael J.	Danville	CA	94526	N/A
Massey; Richard J.	Rockville	MD	20852	N/A
Kenten; John H.	Gaithersburg	MD	20879	N/A

US-CL-CURRENT: 435/68.1; 435/188.5, 435/219, 435/226, 530/388.24, 530/389.2

## ABSTRACT:

Catalytic antibody components, methods for producing catalytic antibody components, methods for using catalytic antibody components, in particular, single chain and smaller components are disclosed. Catalytic antibody components able to promote the cleavage or formation of an amide, peptide, ester or glycosidic bond, and which are prepared from monoclonal catalytic antibodies, catalytic autoantibodies or by site-directed mutagenesis are disclosed. Methods of using catalytic antibody components alone or in combination with other antibody components or other biological moieties are disclosed.

34 Claims, 19 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 5646109 A

L3: Entry 6 of 12

File: USPT

Jul 8, 1997

US-PAT-NO: 5646109

DOCUMENT-IDENTIFIER: US 5646109 A

TITLE: Convertible microemulsion formulations

DATE-ISSUED: July 8, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Owen; Albert J.	West Chester	PA	N/A	N/A
Yiv; Seang H.	Wilmington	DE	N/A	N/A

US-CL-CURRENT: 514/2; 424/400, 514/12, 514/937

## ABSTRACT:

There is provided a water-in-oil (w/o) microemulsion which readily converts to an oil-in-water (o/w) emulsion by the addition of aqueous fluid to the w/o microemulsion, whereby any water-soluble biologically-active material in the aqueous phase is released for absorption by the body. The w/o microemulsion is particularly useful for storing proteins and the like for long periods of time at room temperature and above until they are ready for use, at which time the addition of aqueous fluid converts the microemulsion to an o/w emulsion and releases the protein.

21 Claims, 5 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 5633226 A

L3: Entry 7 of 12

File: USPT

May 27, 1997

US-PAT-NO: 5633226

DOCUMENT-IDENTIFIER: US 5633226 A

TITLE: Convertible microemulsion formulations

DATE-ISSUED: May 27, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Owen; Albert J.	West Chester	PA	N/A	N/A
Yiv; Seang H.	Wilmington	DE	N/A	N/A

US-CL-CURRENT: 514/2; 424/193.1, 424/400, 514/784, 514/937

## ABSTRACT:

There is provided a water-in-oil (w/o) microemulsion which readily converts to an oil-in-water (o/w) emulsion by the addition of aqueous fluid to the w/o microemulsion, whereby any water-soluble biologically-active material in the aqueous phase is released for absorption by the body. The w/o microemulsion is particularly useful for storing proteins and the like for long periods of time at room temperature and above until they are ready for use, at which time the addition of aqueous fluid converts the microemulsion to an o/w emulsion and releases the protein.

20 Claims, 5 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 5451571 A

L3: Entry 8 of 12

File: USPT

Sep 19, 1995

US-PAT-NO: 5451571

DOCUMENT-IDENTIFIER: US 5451571 A

TITLE: Process and composition for treating hypertension

DATE-ISSUED: September 19, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ferrario; Carlos M.	Winston-Salem	NC	N/A	N/A
Santos; Robson A. S.	Shaker Heights	OH	N/A	N/A
Brosnihan; Kay B.	Winston-Salem	NC	N/A	N/A

US-CL-CURRENT: 514/19; 514/18

## ABSTRACT:

The present invention is directed to a process for treating hypertension in mammals through the administration of an effective amount of a Z-Pro-prolinal (ZPP) composition. In addition, the present invention is also directed to a pharmaceutical composition for treating hypertension in mammals comprised of an active ingredient, Z-Pro-prolinal (ZPP). It has recently been discovered that Z-Pro-prolinal (ZPP) is a useful inhibitor to the biosynthetic formation of Ang(1-7), a previously unknown biologically active hypertensive agent in the reninangiotensin system (RAS). By administering an effective amount of Z-Pro-prolinal (ZPP), Ang-(1-7) formation may be reduced, resulting in a significant decrease in blood pressure without notable changes in heart rate and other circulatory functions.

12 Claims, 13 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 7

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Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 5444041 A

L3: Entry 9 of 12

File: USPT

Aug 22, 1995

US-PAT-NO: 5444041

DOCUMENT-IDENTIFIER: US 5444041 A

TITLE: Convertible microemulsion formulations

DATE-ISSUED: August 22, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Owen; Albert J.	West Chester	PA	N/A	N/A
Yiv; Seang H.	Wilmington	DE	N/A	N/A
Sarkahian; Ani B.	Bryn Mawr	PA	N/A	N/A

US-CL-CURRENT: 514/2; 424/193.1, 424/400, 424/94.3

## ABSTRACT:

There is provided a water-in-oil (w/o) microemulsion which readily converts to an oil-in-water (o/w) emulsion by the addition of aqueous fluid to the w/o microemulsion, whereby any water-soluble biologically-active material in the aqueous phase is released for absorption by the body. The w/o microemulsion is particularly useful for storing proteins and the like for long periods of time at room temperature and above until they are ready for use, at which time the addition of aqueous fluid converts the microemulsion to an o/w emulsion and releases the protein.

137 Claims, 5 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 5229272 A

L3: Entry 10 of 12

File: USPT

Jul 20, 1993

US-PAT-NO: 5229272

DOCUMENT-IDENTIFIER: US 5229272 A

TITLE: Catalytic antibody components

DATE-ISSUED: July 20, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Paul; Sudhir	Omaha	NE	N/A	N/A
Powell; Michael J.	Gaithersburg	MD	N/A	N/A
Massey; Richard J.	Rockville	MD	N/A	N/A
Kenten; John H.	Gaithersburg	MD	N/A	N/A

US-CL-CURRENT: 435/68.1; 435/188.5, 435/219, 435/226, 530/387.1, 530/388.24,  
530/389.2

## ABSTRACT:

Catalytic antibody components, methods for producing catalytic antibody components, methods for using catalytic antibody components, in particular, single chain and smaller components are disclosed. Catalytic antibody components able to promote the cleavage or formation of an amide, peptide, ester or glycosidic bond, and which are prepared from monoclonal catalytic antibodies, catalytic autoantibodies or by site-directed mutagenesis are disclosed. Methods of using catalytic antibody components alone or in combination with other antibody components or other biological moieties are disclosed.

77 Claims, 12 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 11. Document ID: US 4663437 A

L3: Entry 11 of 12

File: USPT

May 5, 1987



US-PAT-NO: 4663437  
DOCUMENT-IDENTIFIER: US 4663437 A

TITLE: Atrial natriuretic peptide

DATE-ISSUED: May 5, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
de Bold; Adolfo J.	Kingston	N/A	N/A	CAX

US-CL-CURRENT: 530/324; 930/50

ABSTRACT:

Diuretic and natriuretic extracts, which have been characterized as peptide in nature, have been obtained by homogenization of mammalian heart atria with an aqueous solution of a lower carboxylic acid and may be prepared synthetically. After precipitation of impurities by pH adjustment, the extract may be further purified chromatographically. Extracts injected into test rats resulted in 30-40 fold increases in sodium and chloride excretions within 5-10 minutes of injection. Urine volume rose 10-15 fold and potassium excretion doubled. The response was complete in 20 minutes and no similar changes in renal function were observed following injection of a similarly obtained ventricular extract.

1 Claims, 0 Drawing figures Exemplary Claim Number: 1

Full Title Citation Front Review Classification Date Reference

NUM Draw Desc Image

☐ 12. Document ID: US 4647455 A

L3: Entry 12 of 12

File: USPT

Mar 3, 1987

US-PAT-NO: 4647455

DOCUMENT-IDENTIFIER: US 4647455 A

TITLE: Process for extracting atrial natriuretic factor

DATE-ISSUED: March 3, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
De Bold; Adolfo J.	Kingston	N/A	N/A	CAX

US-CL-CURRENT: 424/569; 514/21, 514/869, 530/425

ABSTRACT:

Diuretic and natriuretic extracts, at least partially characterized as peptides, have been obtained by homogenization of mammalian heart atria with an aqueous solution of a lower carboxylic acid. After precipitation of impurities by pH adjustment, the extract may be further purified chromatographically. Extracts injected into test rats resulted in 30-40 fold increases in sodium and chloride excretions within 5-10 minutes of injection. Urine volume rose 10-15 fold and potassium excretion doubled. The response was complete in 20 minutes and no similar changes in renal function were observed following injection of a similarly obtained ventricular extract.

2 Claims, 11 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference
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